



Arka Educational and Cultural Trust[®]
JAIN INSTITUTE OF TECHNOLOGY
Davanagere
(A Unit of Jain Group of Institutions, Bangalore)

JIT EEE-NEWSLETTER

BI ANNUAL JANAVARY 2023-JUNE 2023

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



"VISION"

"TO CREATE TECHNICALLY SUPERIOR, HIGHLY COMPETENT, ETHICALLY STRONG AND SOCIALLY RESPONSIBLE ELECTRICAL AND ELECTRONICS ENGINEERS WITH INNOVATIVE AND ENTREPRENEURSHIP QUALITIES."

"MISSION"

M₁ - TO IMPART EXCELLENT ELECTRICAL AND ELECTRONICS ENGINEERING EDUCATION BY PROVIDING INNOVATIVE TEACHING, CAREER FOCUSED EDUCATION AND EXPERIENTIAL LEARNING.

M₂-TO CREATE AN ENVIRONMENT FOR INNOVATIVE THINKING AND CONTRIBUTE TO THE ADVANCEMENT OF SCIENCE AND TECHNOLOGY TO MEET THE EVER CHANGING NEEDS OF SOCIETY.

M₃-TO PROVIDE STUDENT CENTRIC PLATFORM TO PRODUCE SOCIALLY RESPONSIBLE, COMPETENT ENGINEERS AND ENTREPRENEURS WITH ETHICAL STANDARDS.

EDITORIAL TEAM

PROF. PRADEEP KANAVI
ASSISTANT PROFESSOR

MR. SANDEEP PATIL M S
INSTRUCTOR



VISIT US AT: WWW.JITD.IN

PROGRAM OUTCOMES

- An ability to apply knowledge of mathematics & science to electrical engineering.
- An ability to identify, formulate and solve complex electrical engineering problems.
- An ability to design electrical systems to meet desired needs with appropriate considerations for public health and safety.
- An ability to use research based knowledge to design and conduct experiments.
- An ability to use techniques, skills and modern electrical engineering tools like MATLAB, CAED, etc. for engineering practice.
- To understand the impact of engineering solutions in a global, economic, and societal contexts.
- Understand the impact of the electrical engineering solutions in environmental contexts & demonstrate the knowledge for sustainable development.
- An understanding of professional and ethical responsibility.
- An ability to function on multidisciplinary teams.
- Ability to communicate effectively with the engineering community and with society.
- Develop an appreciation for principles of managerial skills and entrepreneurship.
- Ability to develop confidence for self-education and to understand the value of life-long learning.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

- “ To become the resource of Electrical and Electronics engineering.
- “ To work in multidisciplinary areas involving core engineering and engaged.
- “ To be successful in taking leadership roles and entrepreneurial positions.

PROGRAM SPECIFIC OUTCOMES (PSOS)

- “ Apply the knowledge of mathematics, Science and electrical engineering fundamentals to solve complex problems in electrical machines, control systems, power systems and electronics.
- “ Specify, architect and analyze power systems that efficiently generate, transmit, distribute and utilize electrical power in the present context.
- “ Analyze, design & maintenance of modern electrical drives system and modern lighting system to conserve electrical energy.

MESSAGE FROM THE CHAIRMAN

We are a school that prides itself not in fostering academic excellence but also in making our learners spend at the school satisfying, fulfilling and joyous. I intend to take the JGI Group to the next level, employ more effective methods to make the students think differently and instill in them with positive attitude towards inclusive growth that benefits them and the society at large.

DR. CHENRAJ ROYCHAND
CHAIRMAN JGI
BENGALURU



MESSAGE FROM THE PRINCIPAL

It's my pleasure to introduce this latest issue of the JIT, EEE Newsletter. I would like to congratulate Editorial team for bringing out a beautiful and informative EEE newsletter which has showcased the various activities, events in the department, and the achievements of students and faculties. I look forward to achieve greater heights in the years to come.

DR. GANESH D B
PRINCIPAL & DIRECTOR, JIT,
DAVANAGERE



MESSAGE FROM THE HEAD OF THE DEPARTMENT

Welcome to the Department of Electrical and Electronics Engineering at JIT Davangere. We started our journey in the year of 2011 with an intake of 60 students. The department has full-fledged laboratories as prescribed by VTU syllabus with modern equipment's. We have grown our expertise, competence.

Core Electrical and Electronics Engineering curriculum and research. We have a strong undergraduate program in Electrical and Electronics Engineering in B.E. We conduct many activities throughout the academic year like Workshops, Seminars, technical talks, skill enhancement programs and other co-curricular activities under the department Form "POTENZA". We are happy to bring out our department EEE newsletter, which showcases all the activities of the department. I congratulate the team for their continuous effort.

DR. SANTOSH .M. NEJAKAR
PROFESSOR & HEAD,
DEPT. OF ELECTRICAL & ELECTRONICS ENGINEERING, JITD



WORK SHOP ON "IOT AND ITS APPLICATION"

23RD FEB 2023 TO 9TH MAR 2023

Department of Electrical & Electronics Engg. was organising a 15 days' workshop on "IOT & Its Applications" in association with " Karunadu Technologies Pvt. Ltd. Bangalore" for 3rd semester students from 23/02/2023 to 09/03/2023. Prof. Praveena Anaji & Prof Nandish B M, coordinating the workshop.

Workshop was inaugurated by lighting the lamp by the dignitaries. Principal and Director Dr. Ganesh D B, Resource person Mr. Mahesh Deginal, Managing Director, Karunadu Technologies Pvt. Ltd. Bangalore and Mr.Harish N, CTO, Karunadu Technologies Pvt. Ltd. Bangalore , HOD Prof. Marulasiddappa H B addressed the gathering and conveyed the importance of conducting these kind of workshops on emerging technologies like IOT which bridges gap between academics and industries.

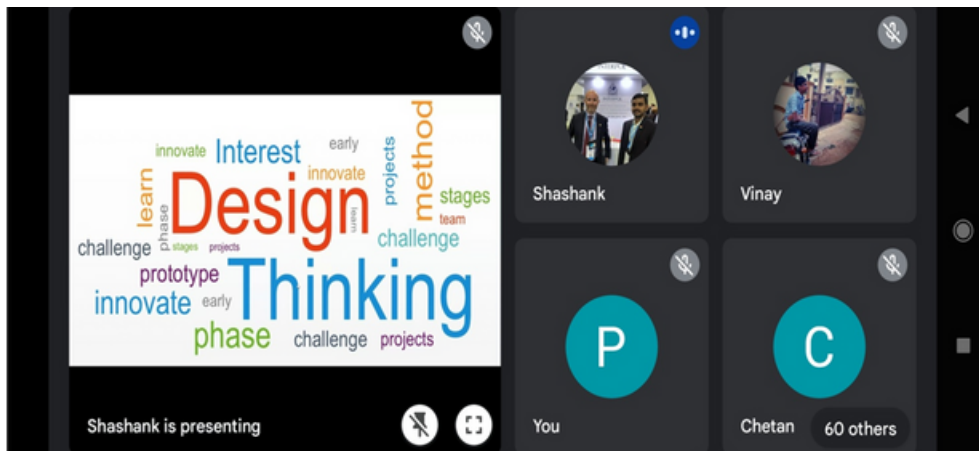


Third sem students Vibha C M and Chinmayee B hosted the program. Welcome speech was delivered by Mr. Sushank and vote of thanks by Pruthviraj K P. Invocation sung by Kum. Anusha G T and Anusha.

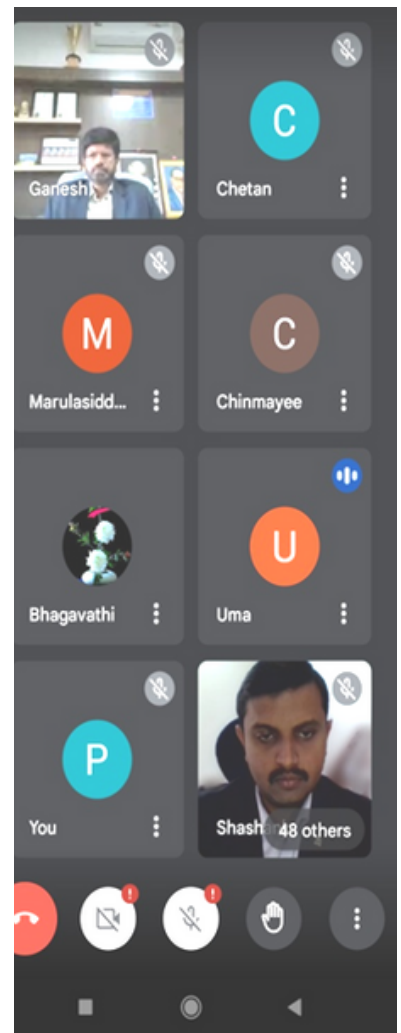


WORKSHOP ON “DESIGN THINKING, CRITICAL THINKING AND INNOVATION DESIGN”

25TH FEB 2023



Department of Electrical & Electronics Engineering in association with ISTE and IIC-JITd Organized one day online Workshop on “Design Thinking, Critical Thinking and Innovation Design”. Resource person Mr. Shashank Krishna, Project Manager, VZ PEGA, TCS shared knowledge on Design Thinking, Innovation Thinking and Innovation Design via google meet. Principal and Director Dr. Ganesh D B, Dr. Mouneshachari S, Vice President, IIC-JITd, Prof. Harish K S, Convener, IIC-JITd, Prof. Marulasiddappa H B, HOD, EEE Department graced the occasion with their presence. Coordinators Prof. Chetan H R, Prof. Nandish B M organized the event very well. Third sem student Chinmayee B hosted the program. Welcome speech was delivered by Mrs. Preetha P S and vote of thanks by Prof. Chetan H R. Mrs. Umarani introduced the Resource Person. All faculties and more than 200 students of various departments of JITD enthusiastically participated and made event a grand success.



“HERITAGE WALK TO FORT OF SEVEN CIRCLES, ONE OF THE COUNTRY’S STRONGEST HILL FORTS

16TH MAR 2023



Department of EEE organized one day trip to "Chitradurga & Vani vilas Sagar" as a part of the course "Social connect and responsibilities – 21UH36" of 3rd sem. As per VTU syllabus, students of 3rd semesters are supposed to visit city heritage places. Responsibility to organize the heritage walk was given to Electrical & Electronics Department.

With the support and coordination of Dr. Ganesh D B, Principal, Prof. Marulasiddappa H B, HOD, EEE, Dr. Rahul Patil, HOD, Civil Engineering, Dr. Rajaneesh N Marigoudar, HOD, Mechanical Engineering, Dr. Santosh Herur, HOD, E & C & Prof. Veeresh K S, NSS Officer, JITD & coordinators of those departments, an one day heritage walk was organized successfully on 16/03/2023.

Around 160 students enjoyed the trip & had lot of knowledge about Fort of seven circles & strongest hill fort – Chitradurga by the local guides Mr. Basavarajappa, Mr. Mahadevappa & Mr. Lokeshappa .

Fortunately we met Jyoti Raj, an Indian free solo climber from chitradurga who is well known as "Kothi Raju" & "Indian Spiderman". He also entertained our students in the fort by climbing it without safety harnesses.

Prof. Ramesh R S, Prof. Nagaraja K U from Mechanical Department, Prof. Preetha P S & Prof. Pradeep Kanavi from E&E Department, Prof. Sharan H B, Ms. Shobha from E&C Department, Prof. Bharath H M from Civil Department coordinated the visit with the students.



STUDENT'S ACHIEVEMENT



The Principal, management, HOD & all the staffs are congratulating the below mentioned project batch of students and their guide on getting sanctioned for Karnataka state council for science and technology (KSCST) - 46th series of student project programme (SPP): 2022-23.

Project title: Power Generation Using Vertical Axis Wind Turbine

Name of the guide: Preetha P S

*Name of the students: Alok Kumar H R , Prajwal J
Prawal N G, Vishal M Gujjar*

CAMPUS PLACEMENT

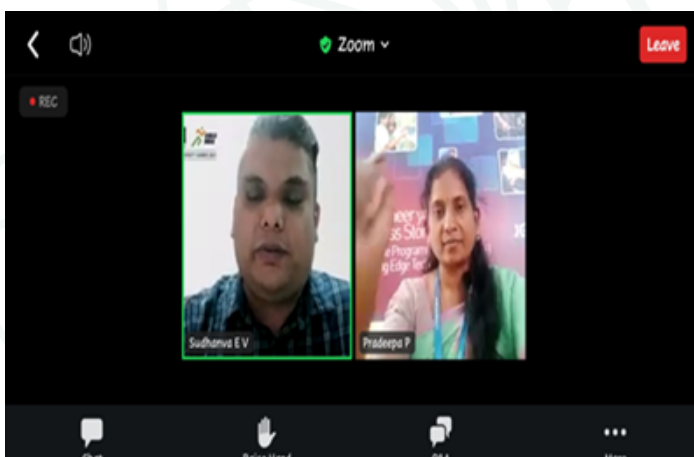
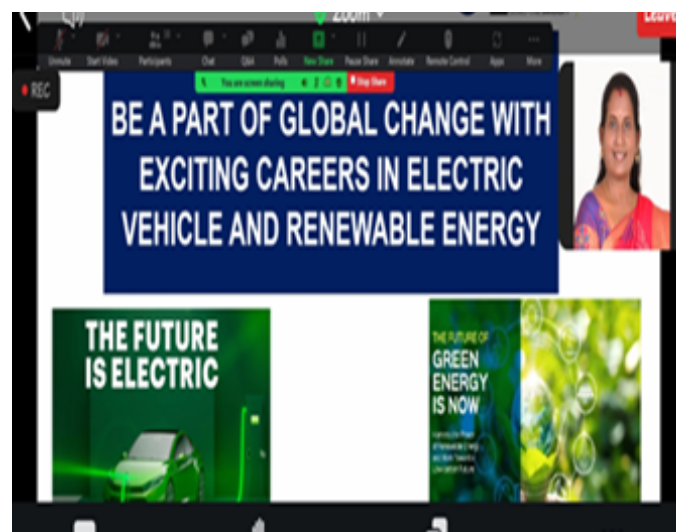
Final year student **Skanda V Ganjam** (4JD19EE036) placed in Kaynes Technologies, mysore. College Management, Principal, HOD, Teaching and Non Teaching Staffs have congratulated the student..



ONLINE WEBINAR ON "BE A PART OF GLOBAL CHANGE WITH EXCITING CAREERS IN ELECTRIC VEHICLE AND RENEWABLE ENERGY - NEXT GEN ELECTRICAL ENGINEERING"

25TH FEB 2023

Dr. Pradeepa P, Professor and Head, Jain University, Bengaluru conducted online webinar on "Be a part of global change with Exciting Careers in Electric Vehicle and Renewable Energy - Next Gen Electrical Engineering". All the departmental faculty and students attended the webinar. Resource person explained the role of electrical engineers in electrical vehicle industry and renewable energy and gave the information about careers in electrical vehicles and renewable energy.



FORUM POTENZA VALEDICTORY AND FAREWELL

29TH APR 2023



Department forum Potenza Valedictory and farewell for final year students was organized in JIT Auditorium. Proud alumni of our department Mr. Sachin Y M, Verification Engineer, Capgemini, Bangalore and Ms. Anushree G N, Assistant Professional Software Engineer, DXC Technology, Bangalore were invited as chief guests for the function. Function was inaugurated by lighting the lamp. Guests addressed about carrier oppourtunites for electrical engineers and needs of the industry. Principal and Director Dr. Ganesh D B, Mr. Marulasiddappa H B, HOD, EEE dept, Forum Coordinators Mr.Chetan H R and Mr. Nandish B M, Student forum representative Ms. Shifa Anjum were present at the function. Academic toppers of 5th and 7th sem were also awarded. Students, faculties and non teaching staffs pariticipated very enthusiastically and made the function memorable.



PROJECT AND PRODUCT EXHIBITION P-EXPO 2023

5TH MAY 2023

Project and Product Exhibition P-Expo 2023 was organized from gam in the campus. Dr. Manjunatha H M, Assistant Professor, Bapuji Institute of Engineering and Technology, Davanagere was invited as Judge for the evaluation of final year projects. Sir appreciated the effort of students for the implementation of new technologies in their projects. All faculties, non teaching staff and students participated in the event enthusiastically. Prizes were distributed to Top 2 projects during valedictory ceremony.



INTERSHIP TRAINING

18TH MAY 2023 TO 31ST MAY 2023



Internship training, Mr. Marulasiddappa H B, Assistant Professor, EEE department delivered a hands on session on how to create and use Google form, Mr. Nandish B M, Assistant Professor, EEE department delivered a hands on session on use of Microsoft Excel and Mr. Pradeep Kanavi delivered a lab session on Electrical Equipments parts that are used in home for 3rd sem lateral entry students.



INTERNSHIP TRAINING



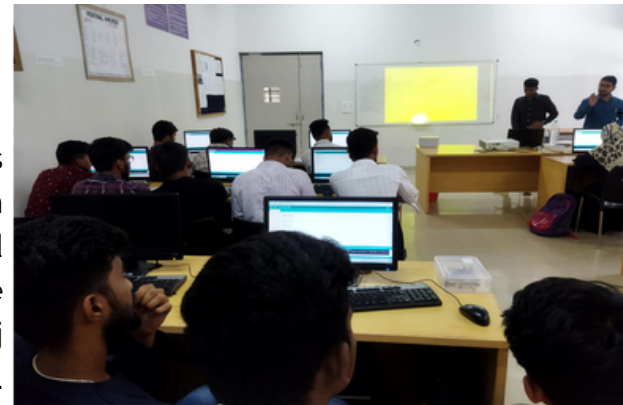
Mr. Shivaraj V S, Product Application Manager, Abeyaantrix Softlabs Pvt. Ltd. delivered a session on "Introduction to embedded systems and its applications".and delivered a hands on session on "Introduction to Arduino and its Programming"for 3rd semester lateral entry students.

PYTHON PROGRAMMING WORKSHOP

24TH MAY 2023 TO 28TH MAY 2023



Python workshop for 5 days for 3rd year students was inaugurated under forum Potenza in association with Abeyaantrix softlabs Pvt. Ltd. Dr. Ganesh D B, Principal and director, Prof. Preetha P S, HOD, Dept of EEE, Resource person Mr. Mallesh V S, Technical team manager, Mr. Shivraj V S, Product Application Manager, Abeyaantrix softlabs Pvt. Ltd, Workshop Coordinator Prof. Pradeep Kanavi, faculties and students are present at the event. After the inauguration resource person Mr. Mallesh V s delived a handson session on python programming fundamentals.



CLICK CAMPUS**27TH MAY 2023**

Dr. Prakash Walavalkar, Dean, Training and Placement, JITD visited Click Campus Session on 27 may 2023 conducted for 3rd semester students and motivated the students to concentrate more on the aptitude session so that they will get confidence to go through the placement process in future. Sir felt happy about the count of students attending the session.

INDUCTION PROGRAM FOR 1ST YEAR STUDENTS**30TH MAY 2023**

Five day Induction program for 1st year students has been organized. In the induction program resource person Mr. Prashanth Nayak, Director, Nexgate Total solutions Pvt. Ltd. delivered interactive motivational talk to the students about their career path in IT sector. Mr. L Ramachandra Rao, Retired Assistant Employment Officer, Davanagere has delivered interactive motivational talk and career "opportunities after graduation" for the students. Mr. Kalpesh Dave, Managing IP Design and Automation Team, Insemi Technologies delivered technical talk on "Semiconductor Technologies and Chip designing". Mr. Basavaraj K C, Assistant Teacher, SNBBHS, Anekonda gave a wonderful session on yoga and meditation. In the last day of Induction Program cultural activities were conducted for first year students as per the instructions of university. Mr. Muralidhar S, Institute Cultural Club Coordinator, Department Cultural Coordinators Mrs. Rajeshwari, Mrs. Asha G M and department faculties were present during the event. Many 1st year students and also faculties exhibited their talent through various cultural activities.

PARENTS MEET

10TH JUN 2023



Parents meet was conducted for 6th semester students. Many parents participated in the parents meet and discussed about their wards academic performance and involvement in placement activities. Prof. Preetha P S, Head of Dept, Dept. Of EEE, Class teacher Prof. Nandish B M and all the department faculties were present during the parents meet. During the parents meet information about the companies visited for campus placements and the placement training activities conducted was also given.



Parent-Teacher meeting was conducted for 3rd semester students on 27th January 2023. Many parents attended and discussed academic performance of their ward.

ONLINE WORKSHOP ON LINKEDIN

14TH JUN 2023

LinkedIn workshop was conducted for the students of 2nd and 3rd year EEE department under forum Potenza on 14 June 2023 through online mode. All the students activated their LinkedIn premium profiles which is helpful for their careers. and Drive Career Development and Retention and also Increase Internal Mobility.



INDUSTRIAL VISIT

15TH JUN 2023 TO 16TH JUN 2023



Students of 6th semester Electrical and Electronics Engineering visited on 16th June 2023, Shivanasamudra Solar Power Plant as a part of two day industrial visit. Students to make understand about the concept of solar power, working and application of solar power plant and also learns about Construction and working of the solar based power plant. They also learnt about generation and utilization of solar based power plant. Prof. Nagaraj Bodravara, Prof. Nandish B M and Instructor Mr. Rajashekhar accompanied the students.

STUDENT'S ACHIEVEMENT

ACADEMIC TOPPERS THIRD SEMESTER



RAKSHITA A M
(88.75%)



RAHUL C S
(88.62%)

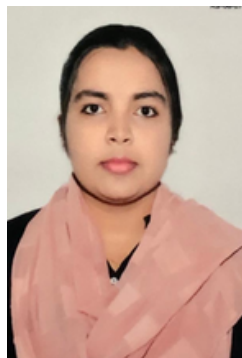


DHANUSHREE K H
(85.25%)

FIFTH SEMESTER



C P RAVI
(76.11%)



AYESHA NAUSHEEN
(74.89%)



MUSKAN
(73.33%)

SEVENTH SEMESTER



VIJAYA LAKSHMI S
(83.75%)



SRIDEVI M
(80.88%)



PRAJWAL N G
(80.75%)

STUDENT'S ACHIEVEMENT

BEST PAPER AWARD



A paper titled "Employing smart dust technologies to detect enemy activity in border and battle fields " was presented in ICEI-2023 conference on jit and got the best paper award. The authors for this paper are Deepa T , Namitha A N, anjushree T N, Harshitha G V, Chetan H R.

A paper titled "Power generation using wind turbine with a vertical axis" was presented in ICEI-2023 conference on jitand got the best paper award. The authors for this paper are Prajwal J, Prajwal N G, Alok Kumar, Vishal Gujjar and Preetha P S.



DRAWING COMPETITION



Students of 4th sem Sunil, Priyadarshini, Priyanka, zaiba Banu Department of EEE participated in a drawing competition held in JIT on account of International yoga day. Students presented the drawing which represents the importance of yoga and its benefits for human beings in their daily life. Students participated actively and enjoyed the competition.



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